

Standardization of The Blow-off Charge Measurement Procedure and Standard Developer

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Abstract

The Imaging Society of Japan (ISJ) Technical Committee part III meeting (The technical committee of toner-based material) standardized the blow-off toner charge measurement procedure,¹ and released the standard two-component developer for the procedure.² According to the standard procedure, the dispersion of the measured amount of toner charge (q/m) in the same two-component developer is minimized even when different operators measure the charge with different types of Faraday-cages. The obtained q/m according to the standardized procedure can be treated as a reproducible common value which can be obtained by everybody. The standard two-component developer can be used not only for calibrating Faraday-cages or blow-off measuring apparatuses, but also for carrying out quality control in the manufacturing of toner and carrier.

Biography

Toshihiko Oguchi joined Morimura chemicals Ltd. In April 2000. He is responsible for new product development and application research. Previously at R & D center in Toshiba Corporation his work has primary focused on the development of liquid and dry toners for electro-photography and perpendicularly recording media. He is a chief member of ISJ's Technical Committee part III meeting (The technical committee of toner-based material). He received his BS from Tokyo Metropolitan University in 1967 and Dr. of Engineering from Tokyo Institute of Technology in 1988.

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